#10 ENTERED OIPE

RAW SEQUENCE LISTING DATE: 04/11/2002
PATENT APPLICATION: **US/09/977,406A** TIME: 12:46:46

Input Set : **A:\EP.txt**
Output Set: **N:\CRF3\04112002\I977406A.raw**

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      3 <110> APPLICANT: PROCYON BIOPHARMA INC.
      5 <120> TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING
TUMORS
      7 <130> FILE REFERENCE: 06508-030-US-03
      9 <140> CURRENT APPLICATION NUMBER: US 09/977,406A
     10 <141> CURRENT FILING DATE: 2001-10-15
     12 <150> PRIOR APPLICATION NUMBER: CA 2,321,256
     13 <151> PRIOR FILING DATE: 2000-10-16
     15 <150> PRIOR APPLICATION NUMBER: CA 2,355,334
     16 <151> PRIOR FILING DATE: 2001-08-20
     18 <160> NUMBER OF SEQ ID NOS: 92
     20 <170> SOFTWARE: PatentIn version 3.1
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 94
     24 <212> TYPE: PRT
     25 <213> ORGANISM: Homo sapiens
     27 <300> PUBLICATION INFORMATION:
     28 <301> AUTHORS: Ulvsback, M., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H.,
and
     29       Lundwall, A"
     30 <302> TITLE: Molecular cloning of a small prostate protein, known as beta-
     31       microsemenoprotein, PSP94 or beta-inhibin, and demonstration of transcripts in
     32       non-genital tissues.
     33 <303> JOURNAL: Biochem. Biophys. Res Commun.
     34 <304> VOLUME: 164
     35 <305> ISSUE: 3
     36 <306> PAGES: 1310-1315
     37 <307> DATE: 1989
     38 <308> DATABASE ACCESSION NO: GI 131436
     39 <309> DATABASE ENTRY DATE: 1988-08-01
     41 <400> SEQUENCE: 1
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     48             20                  25                  30
     51 Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu Ile Ser
     52         35                  40                  45
     55 Cys Cys Thr Leu Val Ser Thr Pro Val Gly Tyr Asp Lys Asp Asn Cys
     56     50                  55                  60
     59 Gln Arg Ile Phe Lys Lys Glu Asp Cys Lys Tyr Ile Val Val Glu Lys
     60 65                  70                  75                  80
     63 Lys Asp Pro Lys Lys Thr Cys Ser Val Ser Glu Trp Ile Ile
     64                 85                  90
     67 <210> SEQ ID NO: 2
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68 <211> LENGTH: 102

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69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: recombinant human PSP94 (rHuPSP94) produced from yeast
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78 1 5 10 15
81 Gly Val Pro Gly Asp Ser Thr Arg Lys Cys Met Asp Leu Lys Gly Asn
82 20 25 30
85 Lys His Pro Ile Asn Ser Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys
86 35 40 45
89 Thr Cys Tyr Glu Thr Glu Ile Ser Cys Cys Thr Leu Val Ser Thr Pro
90 50 55 60
93 Val Gly Tyr Asp Lys Asp Asn Cys Gln Arg Ile Phe Lys Lys Glu Asp
94 65 70 75 80
97 Cys Lys Tyr Ile Val Val Glu Lys Lys Asp Pro Lys Lys Thr Cys Ser
98 85 90 95
101 Val Ser Glu Trp Ile Ile
102 100
105 <210> SEQ ID NO: 3
106 <211> LENGTH: 10
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: decapeptide
113 <400> SEQUENCE: 3
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116 1 5 10
119 <210> SEQ ID NO: 4
120 <211> LENGTH: 15
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Polypeptide 7-21
127 <400> SEQUENCE: 4
129 Asn Glu Gly Val Pro Gly Asp Ser Thr Arg Lys Cys Met Asp Leu
130 1 5 10 15
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 15
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: PCK3145 (polypeptide 31-45)
141 <400> SEQUENCE: 5
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144 1 5 10 15
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 19
149 <212> TYPE: PRT

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150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Polypeptide 76-94
155 <400> SEQUENCE: 6
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161 Trp Ile Ile
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166 <211> LENGTH: 26
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Oligonucleotide used in the amplification and cloning of rHPSP94
173 <400> SEQUENCE: 7
174 gggaagaatt ctcatgctat ttcata 26
177 <210> SEQ ID NO: 8
178 <211> LENGTH: 21
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Oligonucleotide used in the amplification and cloning of rHPSP94
185 <400> SEQUENCE: 8
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189 <210> SEQ ID NO: 9
190 <211> LENGTH: 285
191 <212> TYPE: DNA
192 <213> ORGANISM: Homo sapiens
194 <300> PUBLICATION INFORMATION:
195 <301> AUTHORs: Green, C.B., Liu, W.Y. and Kwok, S.C.
196 <302> TITLE: Cloning and nucleotide sequence analysis of the human beta-
197 microseminoprotein gene.
198 <303> JOURNAL: Biochem. Biophys. Res. Commun.
199 <304> VOLUME: 167
200 <305> ISSUE: 3
201 <306> PAGES: 1184-1190
202 <307> DATE: 1990
203 <308> DATABASE ACCESSION NO: GI 514370
204 <309> DATABASE ENTRY DATE: 1995-01-07
206 <400> SEQUENCE: 9
207 tcatgctatt tcatacctaa tgagggagtt ccaggagatt caaccaggaa atgcatggat 60
209 ctcaaaggaa acaaacaccc aataaactcg gagtggcaga ctgacaactg tgagacatgc 120
211 acttgctacg aaacagaaat ttcatgttgc acccttgttt ctacacctgt gggttatgac 180
213 aaagacaact gccaaagaat cttcaagaag gaggactgca agtatatcgt ggtggagaag 240
215 aaggacccaa aaaagacctg ttctgtcagt gaatggataa tctaa 285
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 16
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:

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Input Set : A:\EP.txt
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224 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)
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228 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
229 1 5 10 15
232 <210> SEQ ID NO: 11
233 <211> LENGTH: 17
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)
240 <400> SEQUENCE: 11
242 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
243 1 5 10 15
246 Ile
250 <210> SEQ ID NO: 12
251 <211> LENGTH: 18
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)
258 <400> SEQUENCE: 12
260 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
261 1 5 10 15
264 Ile Ser
268 <210> SEQ ID NO: 13
269 <211> LENGTH: 19
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)
276 <400> SEQUENCE: 13
278 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
279 1 5 10 15
282 Ile Ser Cys
286 <210> SEQ ID NO: 14
287 <211> LENGTH: 20
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)
294 <400> SEQUENCE: 14
296 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
297 1 5 10 15
300 Ile Ser Cys Cys
301 20
304 <210> SEQ ID NO: 15
305 <211> LENGTH: 21
306 <212> TYPE: PRT

307 <213> ORGANISM: Artificial Sequence

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     309 <220> FEATURE:
     310 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
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     312 <400> SEQUENCE: 15
     314 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
     315 1               5                   10                  15
     318 Ile Ser Cys Cys Thr
     319             20
     322 <210> SEQ ID NO: 16
     323 <211> LENGTH: 22
     324 <212> TYPE: PRT
     325 <213> ORGANISM: Artificial Sequence
     327 <220> FEATURE:
     328 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
     330 <400> SEQUENCE: 16
     332 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
     333 1               5                   10                  15
     336 Ile Ser Cys Cys Thr Leu
     337             20
     340 <210> SEQ ID NO: 17
     341 <211> LENGTH: 23
     342 <212> TYPE: PRT
     343 <213> ORGANISM: Artificial Sequence
     345 <220> FEATURE:
     346 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
     348 <400> SEQUENCE: 17
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     355             20
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     359 <211> LENGTH: 24
     360 <212> TYPE: PRT
     361 <213> ORGANISM: Artificial Sequence
     363 <220> FEATURE:
     364 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
     366 <400> SEQUENCE: 18
     368 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
     369 1               5                   10                  15
     372 Ile Ser Cys Cys Thr Leu Val Ser
     373             20
     376 <210> SEQ ID NO: 19
     377 <211> LENGTH: 25
     378 <212> TYPE: PRT
     379 <213> ORGANISM: Artificial Sequence
     381 <220> FEATURE:
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     384 <400> SEQUENCE: 19
     386 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
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387 1 5 10 15

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 04/11/2002
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Input Set : A:\EP.txt
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L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89